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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

3

Application Number

10/622,764

Filing Date

July 17, 2003

First Named Inventor

Hyun LEE

Art Unit

2193

Examiner Name

Tan V. Mai

Attorney Docket Number

85714-010501 (010040/0043)

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

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Remarks



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):

Return Postcard

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Greenberg Traurig LLP - Customer No. 32361

Signature

Printed name

James DeCarlo

Date

January 10, 2006

Reg. No.

36,120

**CERTIFICATE OF TRANSMISSION/MAILING**

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Girlene Banks

Date

January 10, 2006

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Attorney Docket No. 85714-010501 (010040/0043)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hyun Lee et al.

Serial No.: 10/622,764

Examiner: Tan V. Mai

Filing Date: July 17, 2003

Group Art Unit: 2193

Title: A VIRTUALLY PARALLEL MULTIPLIER-ACCUMULATOR

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**RESPONSE TO OFFICE ACTION**

Mail Stop Amendments  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is responsive to an Office Action dated October 13, 2005. As this paper is timely filed no fees are considered due at the present time.

Claims 1-17 are presently pending in the application. Claims 1-5, 8-12 and 15-17 are allowed. Claims 6, 7, 13 and 14 stand rejected under 35 U.S.C. § 112 paragraph 2.

In the rejection the Examiner has taken the position that the claim language of claims 6, 7, 13 and 14 is vague and indefinite "since the preamble of independent claim 1 recites performing **less than one multiplier accumulator (MAC) operation** within a MCK cycle". (emphasis in original) Claims 6 and 13 are dependent claims that recite the situation where the number of MAC operations within each MCK cycle is the same. Claims 7 and 14 recite the instance where the number of MAC operations within each MCK cycle is different.

It is respectfully submitted that the word "number" can and does accurately reflect that in the event of performing less than one multiplier accumulator operation within a MCK cycle, the number of MAC operations would thus be a fractional number. Since a number can also include fractions, the claim language is not vague nor indefinite.

Reference is made to figure 10 and its accompanying description which describe an embodiment where less than one MAC operation per MCK cycle is performed, (for example, one MAC operation per every four MCK cycles). Thus, it is respectfully submitted that the fact that the "number" reflected in claims 6, 7, 13 and 14 can be a fractional number is adequately supported and described in the specification. Reference is made specifically to page 16, lines 7-20 for supporting the claimed subject matter of the number of MAC operations within each MCK cycle being either the same, or different, as recited in the respective claims 6, 7, 13 and 14.

In light of the above, it is respectfully submitted that the claims are neither vague, indefinite, nor unsupported, and as such are in condition for allowance. Early notification of the same is requested.

The Commissioner is hereby authorized to charge any additional fees which may be required for this response, or credit any overpayment, to Deposit Account No. 50-1561.

In the event that an extension of time is required, or which may be required, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 50-1561.

Date: January 10, 2006

Respectfully submitted,  
Greenberg Traurig, LLP

By: 

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